

ABSTRACT

An Update on the VAMOS Extremes Working Group Activities

Siegfried Schubert (
NASA, Goddard Space Flight Center (GSFC)
Global Modeling and Assimilation Office (GMAO)
Greenbelt, Md. 20771

and Iracema Cavalcanti (CPTEC- Brazil): Co-Chairs

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We review here the progress of the VAMOS extremes working group since it was formed in February of 2010. The goals of the working group are to 1) develop an atlas of warm-season extremes over the Americas, 2) evaluate existing and planned simulations, and 3) suggest new model runs to address mechanisms and predictability of extremes. Substantial progress has been made in the development of an extremes atlas based on gridded observations and several reanalysis products including MERRA and CFSR. The status of the atlas, remaining issues and plans for its expansion to include model data will be discussed. This includes the possibility of adding a companion atlas based on station observations based on the software developed under the WCRP ETCCDI activity. We will also review progress on relevant research and plans for the use and validation of the atlas results.